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Foresight Exploratory Workshop

US Army Corps of Engineers Flood Risk Management and Policies

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National Flood Risk Management Program

Washington, DC
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Flood Risk = f(probability, consequences)

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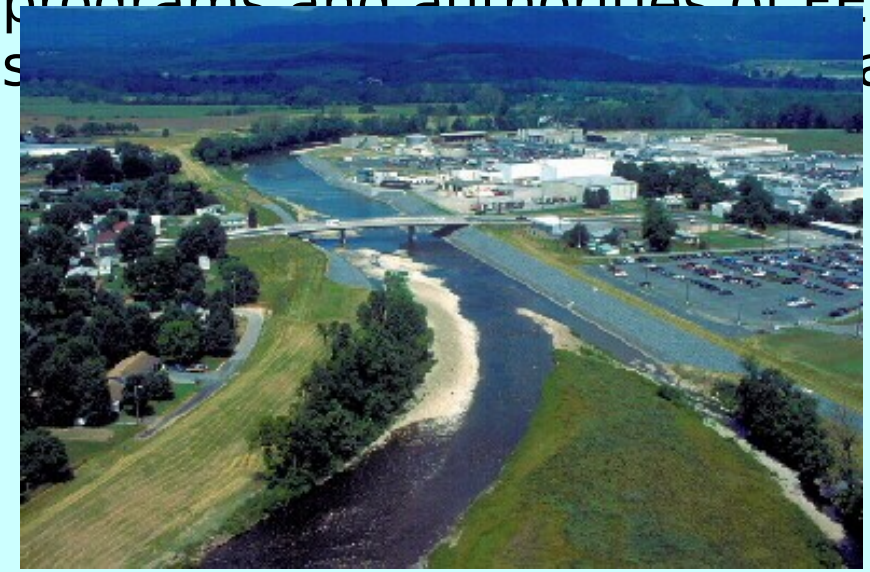
Flood Risk Management Program

Vision: To lead collaborative, comprehensive and sustainable national flood risk management to improve public safety and reduce flood damages to our country.

Mission: To integrate and synchronize the ongoing, diverse flood risk management projects, programs and authorities of the US Army Corps of Engineers with counterpart projects, programs and authorities of FEMA, other Federal agencies, s al and local agencies.



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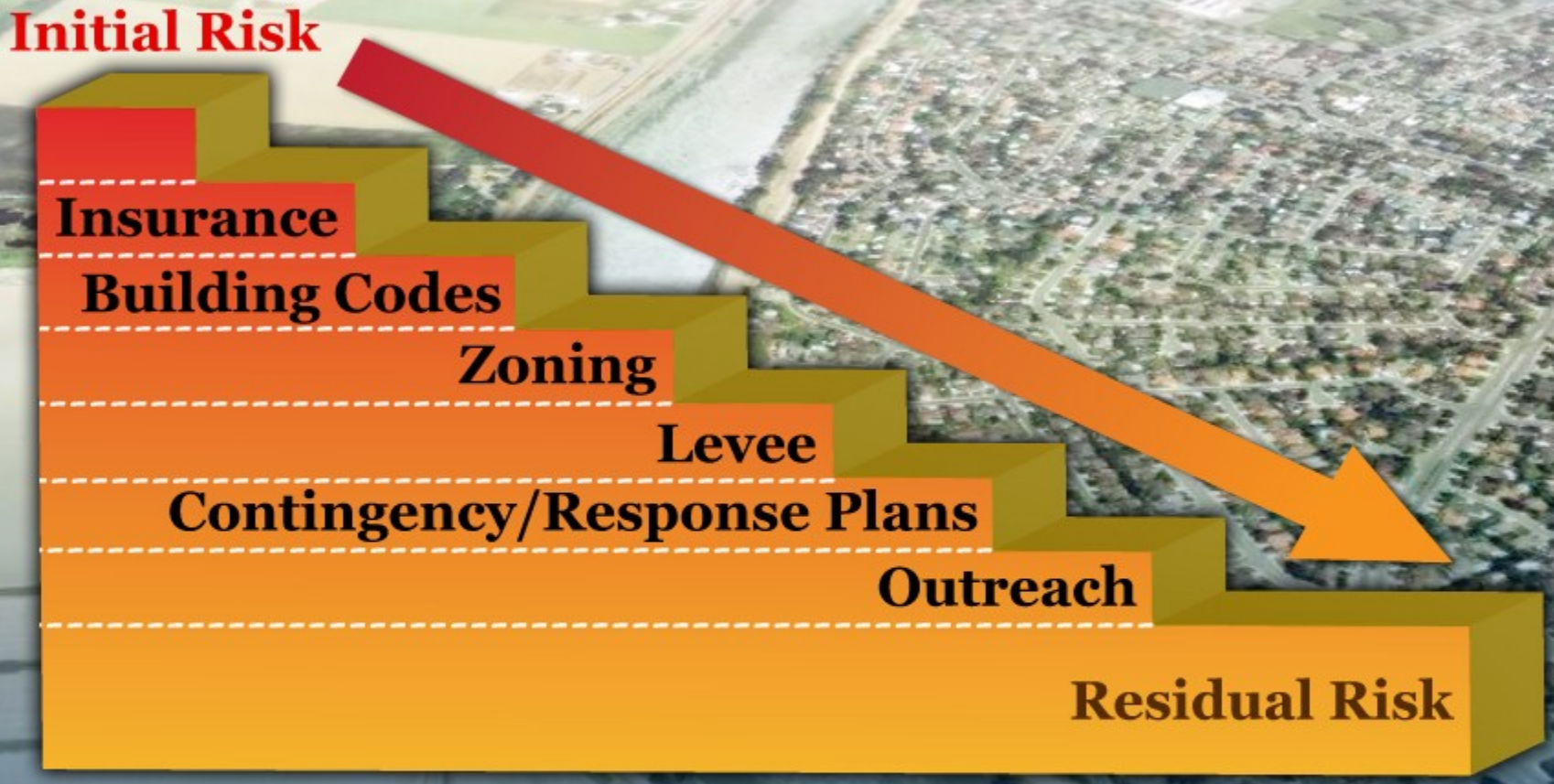
Flood Risk Management Program

Strategic Goals

1. Provide current accurate floodplain information to the public and decision makers.
2. Identify and assess flood hazards posed by aging flood damage reduction infrastructure.
3. Improve public awareness and comprehension of flood risk.
4. Integrate flood damage and flood hazard reduction programs across local, state, and Federal agencies.
5. Improve capabilities to collaboratively deliver and sustain flood damage reduction and flood hazard mitigation services to the nation.

FLOOD RISK MANAGEMENT

Buying Down Risk



Risk Reduction Actions (Cumulative)

All stakeholders contribute to reducing risk

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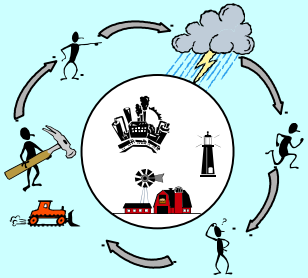
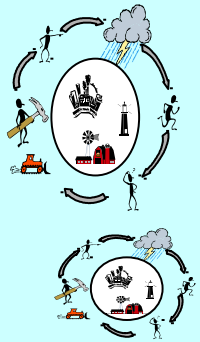
EVENTS SHAPE NATIONAL POLICY



Risk management must deal with multiple phenomenon over the long term



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Development Process

- Local Community Perceives Problem
- Congress Authorizes Investigation
- Congress Funds Study

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Study Process: Reconnaissance Phase

- Preliminary determination that a problem and at least one potential solution warrant Federal participation
- Support of non-Federal sponsor
- 6 to 12 months
- 100% Federally funded

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Study Process - Feasibility Phase

- Feasibility cost sharing agreement and management plan for feasibility study
- Cost share 50 / 50
- Complete in 3-4 years
- Recommend plan for authorization

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Project Authorization And Funding By Congress

- Project Authorization: Bi-annual Water Resources Development Act (WRDA)
- Federal Portion of Construction Funding Provided by Congress via Appropriations Acts

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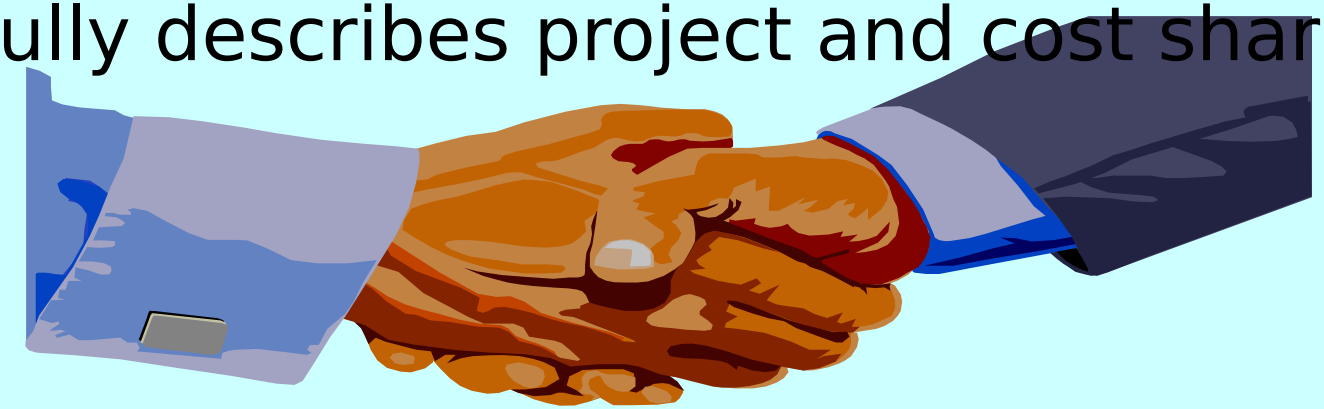
Project Partnering Agreement

- Legally binding contract
- Signed by non-Federal Government and Army Corps of Engineers
- Fully describes responsibilities of both parties
- Fully describes project and cost sharing



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Construction

- Construction management by Corps
- Built by contractors

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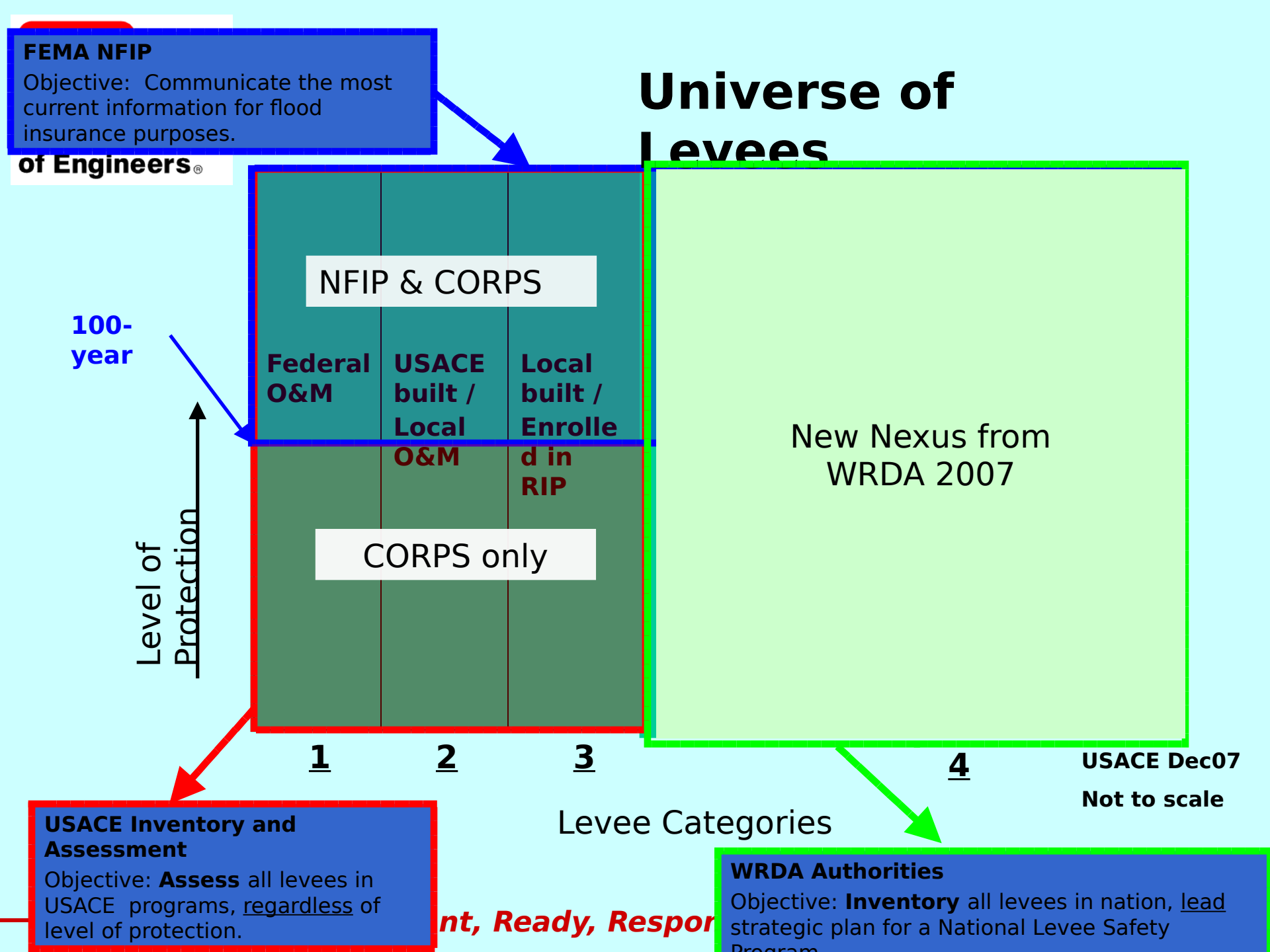
Operation & Maintenance

- Generally a non-Federal responsibility


FEMA NFIP
Objective: Communicate the most current information for flood insurance purposes.
of Engineers®
Universe of Levees
NFIP & CORPS
100-year
Federal O&M
USACE built / Local O&M
Local built / Enrolled in RIP
CORPS only
New Nexus from WRDA 2007
Level of Protection
1
2
3
4
USACE Dec07
Not to scale
Levee Categories
USACE Inventory and Assessment
Objective: Assess all levees in USACE programs, regardless of level of protection.
WRDA Authorities
Objective: Inventory all levees in nation, lead strategic plan for a National Levee Safety Program

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Activities

- CW Strategic Plan
- Intergovernmental Flood Risk Management Committee
- Federal Agencies meetings
- Executive Order 11988
- Actions for Change
- Levee Safety Program
- Dam Safety Program
- Federal Agency Programs
- Interagency Levee Task Force
- Research and Development
- Principles & Guidelines
- National Flood Insurance Program
- Mapping
- Unified National Program for Floodplain Management

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Water Resources Development Act of 2007 Section 2032

… the President shall submit to Congress a report describing the vulnerability to damage from flooding, including the risk to human life; the risk to property; and the comparative risks faced by different regions of the United States.

…the report shall include an assessment of the flood risk reduction programs; the extent to which those programs may be encouraging development and economic activity in flood-prone areas; recommendations for improving those programs with respect to reducing and responding to flood risks; and proposals for implementing the recommendations.

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What Do We Need?

- Value added
- Present the Issue
- Overarching
- Durable
- Aligned
- Coordinated
- Collaborative
- Cost effective
- Timely

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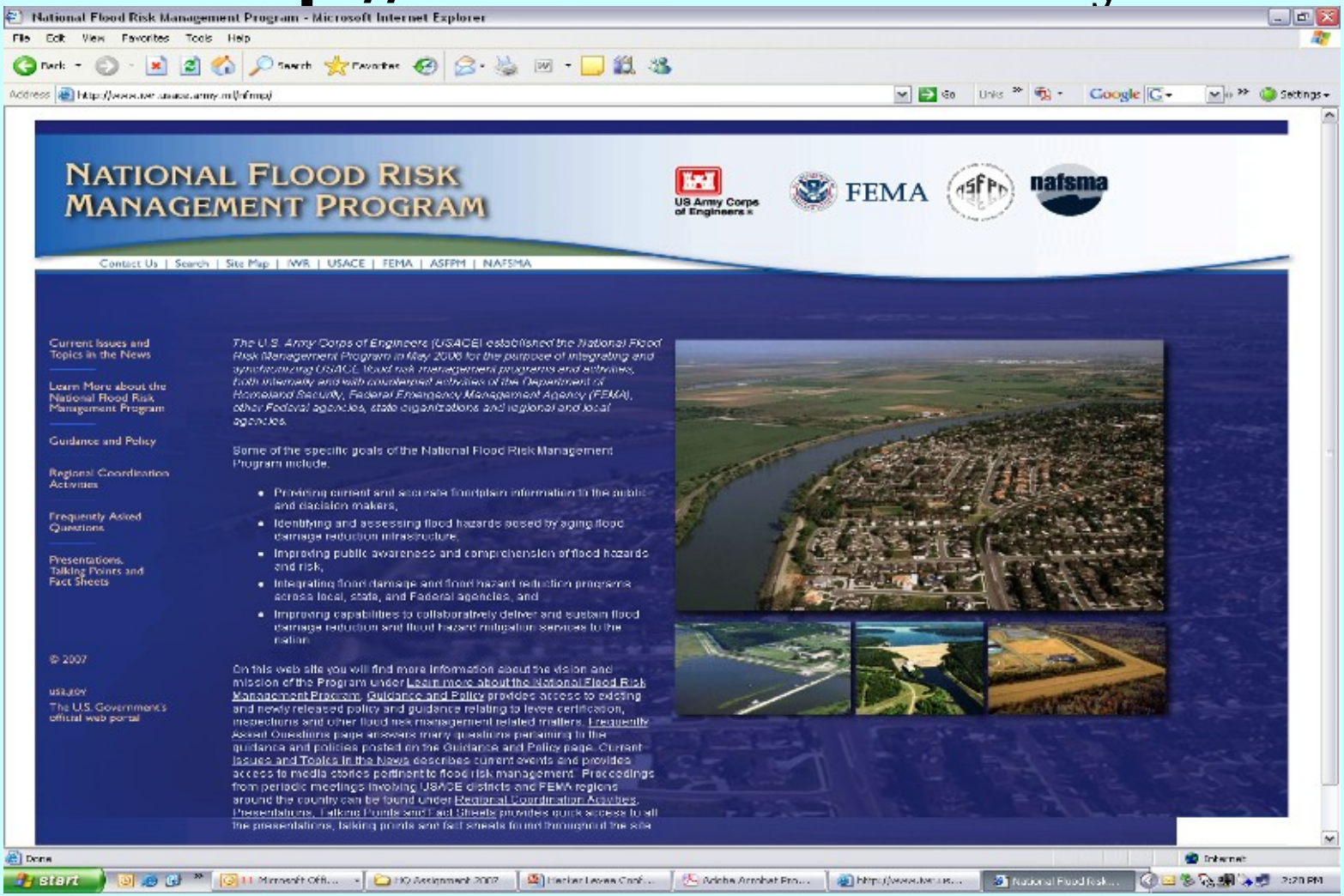
Flood Risk Management Program

http://www.iwr.usace.army.mi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The U.S. Government's official web portal
The U.S. Army Corps of Engineers (USACE) established the National Flood Risk Management Program in May 2006 for the purpose of integrating and synchronizing USACE flood risk management programs and activities, both internally and with considered activities of the Department of Homeland Security, Federal Emergency Management Agency (FEMA), other Federal agencies, state organizations and regional and local agencies.
Some of the specific goals of the National Flood Risk Management Program include:
Providing current and accurate floodplain information to the public and decision makers;
Identifying and assessing flood hazards posed by aging flood damage reduction infrastructure;
Improving public awareness and comprehension of flood hazards and risk;
Integrating flood damage and flood hazard reduction programs across local, state, and Federal agencies; and
Improving capabilities to collaboratively deliver and sustain flood damage reduction and flood hazard mitigation services to the nation.
On this web site you will find more information about the vision and mission of the Program under Learn more about the National Flood Risk Management Program. Guidance and Policy provides access to existing and newly released policy and guidance relating to levee certification, inspections and other flood risk management related matters. Frequently Asked Questions page answers many questions pertaining to the guidance and policies posted on the Guidance and Policy page. Current Issues and Topics in the News describes current events and provides access to media stories pertinent to flood risk management. Proceedings from periodic meetings involving USACE districts and FEMA regions around the country can be found under Regional Coordination Activities. Presentations, Talking Points and Fact Sheets provides quick access to all the presentations, talking points and fact sheets found throughout the site.